

| Ref # | Hits | Search Query                                      | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 3    | "10003767"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/01/19 18:00 |
| S2    | 28   | ZWIEGINCEW.in.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/09 21:21 |
| S3    | 0    | (713/202).CCLS.                                   | USPAT   | OR               | OFF     | 2005/09/12 11:42 |
| S4    | 39   | (726/8).CCLS.                                     | USPAT   | OR               | OFF     | 2005/09/12 13:01 |
| S5    | 39   | (726/8).CCLS.                                     | USPAT   | OR               | OFF     | 2005/09/12 13:01 |
| S6    | 2    | S5 and (xml)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/12 13:01 |
| S7    | 113  | (726/21).CCLS.                                    | USPAT   | OR               | OFF     | 2005/09/12 13:17 |
| S8    | 0    | S7 and xml  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/12 13:17 |
| S9    | 0    | S7 and (role adj template)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/12 13:17 |
| S10   | 121  | (role adj template) and authorization             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/12 13:20 |
| S11   | 118  | (role adj template) and authoriz\$5 and (command) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/09/12 13:18 |

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S12 | 1108 | xml same (authorizat\$5 role)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/12 13:25 |
| S13 | 498  | xml same (authorizat\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/12 13:20 |
| S14 | 155  | xml with (authorizat\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/12 13:21 |
| S15 | 6    | xml with (authorizat\$5) same role   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/12 13:20 |
| S16 | 13   | xml with (role) and (authoriz\$5).<br>ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/09/12 13:26 |
| S17 | 39   | ("3956615"   "4218582"  <br>"4405829"   "4424414"  <br>"4713753"   "4757537"  <br>"4864616"   "4955082"  <br>"4962533"   "4984272"  <br>"5052040"   "5065429"  <br>"5191611"   "5204961"  <br>"5222018"   "5319562"  <br>"5369702"   "5369707"  <br>"5499297"   "5535279"  <br>"5535297"   "5602921"  <br>"5680452"   "5684705"  <br>"5694472"   "5696829"  <br>"5717755"   "5749078"  <br>"5778066"   "5794234"  <br>"5898781"   "5999623"  <br>"6055634"   "6098071"  <br>"6105012"   "6169805"  <br>"6223287"   "6370516"  <br>"6385552").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/09/12 13:27 |

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S18 | 0    | S17 and xml  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 13:30 |
| S19 | 12   | xml same (role adj definition)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 13:35 |
| S20 | 168  | (role adj template) same (role definition)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 13:35 |
| S21 | 4    | (role adj template) same (role adj definition) and (access adj permission) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 13:36 |
| S22 | 8    | (role adj template) same (role adj definition)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 13:49 |
| S23 | 24   | (role adj based adj access adj control adj model)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 14:02 |
| S24 | 1    | ("6195662").PN.  | USPAT   | OR | OFF | 2005/09/12 14:04 |
| S25 | 1    | ("6654747").PN.  | USPAT   | OR | OFF | 2005/09/12 14:07 |
| S26 | 1    | ("6684204").PN.  | USPAT   | OR | OFF | 2005/09/12 14:07 |
| S27 | 1532 | role with services   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 14:50 |
| S28 | 11   | role with ((multiple plurality several "at least one") adj services)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:00 |

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S29 | 5    | access adj permission with role adj (definition template)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:01 |
| S30 | 73   | access adj control adj system same role  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:29 |
| S31 | 20   | xml with (files documents dat) same (query search) same (insert update replace) same (delete remove)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:30 |
| S32 | 144  | (insert delete manipulate search edit) with (part data information portion) with (document file) same (schema rules map) with (data information portion part) and xml  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:32 |
| S33 | 44   | (insert delete manipulate search edit) with (part data information portion) with (document file) same (schema rules map) with (data information portion part) same xml | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 15:34 |
| S34 | 1058 | (709/225).CCLS.  | USPAT   | OR | OFF | 2005/09/12 15:35 |
| S35 | 10   | S34 and ((role adj based adj access adj control) rbac)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/09/12 16:25 |

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| S37 | 97 | ("6490680" "6292830" "6317700"<br>"5261096" "5276871" "6202066"<br>"6038566" "6205480" "6219680"<br>"6219680" "5991877" "5265221"<br>"5751989" "5737538" "4309691"<br>"5239651" "5257374" "5274824"<br>"5519837" "5909446" "5943483"<br>"6341315" "5515492" "6088739"<br>"6031836" "6134584" "6338082"<br>"6457100" "6672775" "6067568"<br>"5708716" "5748742" "6035039"<br>"6061794" "6061794" "6862444"<br>"6910041" "6253193" "6363488"<br>"6389402" "6427140" "6591355"<br>"5968177" "6895512" "6233576"<br>"6125447" "6173404" "6434607"<br>"6564380" "6078907").pn.<br>("5495605" "5592670" "5630120"<br>"5691943" "5926789" "5953739"<br>"5966718" "6044433" "6081657"<br>"5009624" "5835737" "5617407"<br>"5784562" "6055637" "6421613"<br>"5504721" "6182080" "6284794"<br>"6300098" "6395734" "6575831"<br>"6941476" "5911143" "4964076"<br>"5006981" "5208447" "5881225"<br>"6014666" "5983227" "6014692"<br>"6088340" "6199138" "6212598"<br>"6212598" "6260078" "6233618"<br>"5732219" "6389541" "6529910"<br>"6138237" "6157917" "5544255"<br>"5647017" "5818955" "6064751"<br>"6381344" "6067290" "6453301"<br>"5758077" "5999930").pn. | USPAT   | OR | ON  | 2005/09/12 16:26 |
| S38 | 2  | ((("5956715") or ("6202066")).PN.  | USPAT   | OR | OFF | 2005/09/12 16:39 |
| S39 | 2  | ((("6195662") or ("6654747")).PN.  | USPAT   | OR | OFF | 2006/01/18 15:47 |
| S40 | 5  | (access adj permission) with<br>independent with (data structure)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 15:49 |
| S41 | 36 | (access adj permission) same<br>(xml)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 15:55 |
| S42 | 4  | (access adj permission) and (role<br>adj definition) and (role adj<br>template)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 15:56 |

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S43 | 37  | (access adj permission) and (role adj definition)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 16:06 |
| S44 | 104 | (access adj permission) and (role adj template)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 16:07 |
| S45 | 241 | ((role adj based adj access adj control) rbac)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 16:51 |
| S46 | 1   | ("6014666").PN.   | USPAT   | OR | OFF | 2006/01/18 16:11 |
| S47 | 14  | ("5455953"   "5481715"  <br>"5524238"   "5577252"  <br>"5689708"   "5717439"  <br>"5778365"   "5815665"  <br>"5822435"   "5832274"  <br>"5838916"   "5864683"  <br>"5881225"   "5941947").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/01/18 16:20 |
| S48 | 1   | ("6023765").PN.   | USPAT   | OR | OFF | 2006/01/18 16:20 |
| S49 | 17  | ("5265221"   "5347578"  <br>"5481700"   "5535383"  <br>"5577209"   "5680452"  <br>"5692124"   "5717755"  <br>"5724426"   "5828832"  <br>"5832228"   "5836011"  <br>"5848232"   "5859966"  <br>"5881225"   "5898781"  <br>"5911143").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/01/18 16:21 |
| S50 | 28  | ((role adj based adj access adj control) rbac) and (multiple plurality) adj role  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 17:43 |
| S51 | 1   | ("20050195975").PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/01/18 18:45 |
| S52 | 276 | ((726/8) or (726/21)).CCLS.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/01/18 18:45 |

|     |   |                            |   |    |     |                  |
|-----|---|----------------------------|---|----|-----|------------------|
| S53 | 8 | S52 and (@pd > "20050913") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/18 18:45 |
| S54 | 1 | ("6822553").PN.            | USPAT   | OR | OFF | 2006/01/19 18:00 |